SONY

DSC-HX400V/B

Sony High Zoom Point and Shoot Camera

Closeness is nothing without clarity. Enjoy 50x optical zooming, silky-smooth Full HD video and razor-sharp, 20.4MP pics—perfect for sporting events and all your adventures. Looking to capture the mood of a shot without the harshness of a flash? Low-light environments (think candlelight and campfire) maintain their warmth thanks to the sensitive Exmor R® CMOS sensor.

Key Features

50x Optical/100x Clear Image Zoom G Lens

Get amazingly close with 50x optical zoom plus 100x Clear Image zoom G lens . Most digital zooms use electronic cropping to get closer to the subject, resulting in unsharp images. With Clear Image Zoom the powerful processor compares patterns found in adjacent pixels and creates new pixels to match selected patterns, resulting in more realistic, higher-quality images. Clear Image Zoom doubles optical zoom for closer photos.

Shoot incredibly smooth video[1] and stills

Shoot incredibly smooth video[1] and still images with the new BIONZ X processor and Optical SteadyShot (Intelligent Active mode). When the processor and image stabilization technology work together they deliver sharp image quality with low noise and minimal blur even while the user is strolling and the camera is zoomed in

20.4MP Exmorr® R CMOS Sensor for superb low light images

This camera features a 20.4 megapixel Exmor® R CMOS image sensor that brings out the full resolving power of the camera's professional G® Lens to deliver extremely fast speed, high resolution, and stunning low-light sensitivity with improved image clarity and drastically reduced grain. In addition, the combined Exmor® R CMOS sensor and BIONZ® X image processor delivers extremely fast up to 10fps, Anti Motion Blur, Hand-held Twilight and 1080p movie modes.

Create cinematic Full HD video[1] in 1080/60p/24p

Record crystal clear movies at the highest resolution available with capabilities for 60p/24p in 1080 AVCHD™ video.[1] This provides stunning, fast motion video with less distortion for playback on your HD TV.[2]

Keep your subject in focus with Lock-On AF

Lock-On AF gives you the ability to focus on multiple points with subject recognition to keep your subject in sharp focus even when in motion.

Simple connectivity to smartphones via Wi-Fi® w/NFC[3]

Connectivity with smartphones for One-touch sharing/One-touch remote has been simplified with Wi-Fi® w/NFC[3] control. In addition to Wi-Fi support for connecting to smartphones, the camera also supports NFC (near field communication) providing "one touch connection" convenience when transferring images to Android™ smartphones and tablets. Users need only touch devices to connect; no complex set-up is required. Moreover, when using Smart Remote Control — a feature that allows shutter release to be controlled by a smartphone — connection to the smartphone can be established by simply touching compatible devices.

Map your images with GPS tagged photos

GPS records location data and camera direction as you shoot movies and photos. GPS Log lets users track a photographic journey and later view the path and images on a map. Map View in "they were taken. The logged path and images PlayMemories Home" software, allows users to view images on a map showing where can also be displayed on Google Earth.

Enhance features w/ downloadable camera apps

Get creative with PlayMemories Camera Apps™ by applying exciting artistic effects or retouching images with professional results, then easily upload your photos to Facebook® or Instagram. Enjoy added functionality with apps that include Time Lapse, Smart Remote Control, and Direct Upload.

4K quality still image output via HDMI[2]

Enjoy the beauty of 4K quality still image (4x the resolution of Full HD) via simple HDMI connection to compatible 4K TVs[2]. The camera can also be connected via HDMI to HDTVs for full HD 1080p resolution images.

Motion-Shot Video traces subject movement

Motion-Shot Video traces subject movement on the camera's LCD for a unique visual effect. Use this playback function on the camera to study form and pathways of subjects.

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Specifications

Camera	
Camera Type	High Zoom digital camera
Imaging Sensor	
Imaging Sensor	1/2.3" (7.82mm) Exmor R® CMOS sensor
Processor	Bionz® X
Pixel Gross	21.1MP
Effective Picture Resolution	20.4MP
Color Filter System	RGB primary color mosaic filters
Recording	
Media Type	SD, SDHC and SDXC memory card Memory Stick PRO Duo™/Pro-HG Duo™ media
Color Space	sRGB
Still Image Max Effective Resolution	Approx. 20.4 Megapixels
Still Image Size 16:9	15M (5,184 × 2,920) / 7.5M (3,648 × 2,056) / 2.1M (1,920 × 1,080)
Still Image Size 1:1	15M (3,888 × 3,888) / 7.5M (2,736 × 2,736) / 3.7M (1,920 × 1,920)
Still Image Size 3:2	18M (5,184 × 3,456) / 8.9M (3,648 × 2,432) / 4.5M (2,592 × 1,728)
Still Image Size 4:3	20M (5,184 × 3,888) / 10M (3,648 × 2,736) / 5M (2,592 × 1,944)
Panorama Still Image Size	Sweep Panorama: Wide (7,152 × 1,080 / 4,912 × 1,920); Sweep Panorama: 360 (11,520 × 1,080)
Video Format	MP4 / AVCHD format Ver.2.0 compatible
Video Mode	AVCHD: 28M PS(1,920x1,080/60p) / 24M FX(1,920x1,080/60i) / 17M FH(1,920x1,080/60i) / 24M FX(1,920x1,080/24p) / 17M FH(1,920x1,080/24p),MP4: 12M(1,440x1,080/30fps) / 3M VGA(640x480/30fps)
Audio Format	AVCHD: Dolby Digital (AC-3) 2ch (Dolby Digital Stereo Creator) MP4: MPEG-4 AAC-LC 2ch
Microphone/Speaker	Stereo / Mono
Still Image File Format	JPEG
Wind Noise Reduction	Off / On
Optics/Lens	
Lens Type	Carl Zeiss Vario Sonnar T* Lens
Aperture	f 2.8 - 6.3
Optical Zoom	50x
Focal Length (35mm equivalent)	Still 1:1: f=28.5-1425mm / Still 3:2: f=25-1250mm / Movie 4:3: f=32.5-1625mm (SteadyShot Standard), f=34.5-2300mm (SteadyShot Active), 38-2350mm (SteadyShot InteligentActive) / Still 4:3:f=24-1200mm / Movie 16:9: f=26.5-1325mm (SteadyShot Standard), f=28-1850mmmm (SteadyShot Active), f=31-1900mm (SteadyShot InteligentActive)
Minimum Focus Distance	iAuto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx. 240cm (7.87 ft.) to Infinity) / Program Auto: AF (W: Approx. 1cm (0.03 ft.) to Infinity, T: Approx.240cm (7.87 ft.) to Infinity)
Viewfinder	
Type	0.2" (0.5cm) 201k dots
Diopter Adjustment	Yes
Magnification	8.1x, 16.2x
LCD Display	
LCD Type	3.0" XtraFine™ LCD (921K dots)
Brightness Control	Manual (5 steps)
Histogram	Yes (On/Off)
Focus Control	

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Focus Area	Wide / Center / Flexible Spot (S / M / L)
Focus Sensitivity	EV 1 to 17 (at ISO100 equivalent)
AF Illuminator	Auto / Off
Exposure System	
Metering Modes	Multi Pattern / Center Weighted / Spot
Exposure Compensation	Plus / Minus 2.0EV, 1 / 3EV step
Scene Mode(s)	High Sensitivity / Night Scene / Handheld Twilight / Night Portrait / Landscape / Portrait / Soft Skin / Anti Motion Blur / Beach / Snow /Fireworks / Advanced Sports Shooting / Gourmet / Pet Mode
D-Range Optimizer	Standard / Plus / Off
ISO	Auto : (ISO80-3200 / 80 /100 / 125 / 160 / 200 / 250 / 320 / 400 / 500/640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200
Noise Reduction	Long exposure NR, Multi Frame NR:Auto, ISO100-12800, Multi Frame NR:Auto, ISO100-12800
Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, Black & White, Sepia
White Balance Mode	Auto / Daylight / Cloudy / Incandescent / Fluorescent 1 (Cool White Fluorescent Lighting) / Fluorescent 2 (Day White Fluorescent Lighting) / Fluorescent 3 (Day Light Fluorescent Lighting) / Flash / C.Temp / Fliter / Custom
Minimum Illumination	Auto: 4lux (Shutter Speed 1/30)
ISO Sensitivity (Movie)	Auto: (ISO80-3200, selectable with upper / lower
Drive System	
Drive Mode	Single / Continuous Shooting / Self-timer / Self Portrait / WB Bracketing
Self-timer	Off / 10sec. / 2sec. / portrait1 / portrait2
Shutter Speeds	iAuto (4 - 1/4000) / Program Auto (1 - 1/4000) / Aperture Priority (8 - 1/2000) / Shutter Priority (30 - 1/4000) / Manual (30 - 1/4000)
Flash Sync Speed	Synchronously-controlled with shutter speed
Burst Mode	Approx 10 fps at 20.4MP (Maximum 10 shots)
Flash	
Flash Type	Built-in, manual pop-up
Flash Modes	Flash Off / Autoflash / Fill-flash / Slow Sync. / Advanced Flash / Rear Sync. / Wireless (with optional compliant flash)
Flash Coverage	ISO Auto: Approx. 0.5m to 8.5m (1.64 ft. to 27.89 ft.) (W) / Approx. 2.4m to 3.5m (7.87 ft. to 11.48 ft.) (T), ISO 3200: up to Approx. 12.0m (39.37 ft.) (W) / Approx. 5.1m (16.73 ft.) (T)
Convenience Features	
Red-Eye Reduction	On / Off
Erase/Protect	Erase: Single / Select / Date / Folder, Protect: Single / Select / Date
Power Save Mode	1min / 2min / 5min / 30min
Advanced Features	
Sweep Panorama	Intelligent Sweep Panorama (360)
Face Detection	8 faces
Smile Shutter™ technology	Yes
Image Stabilization	Optical SteadyShot™ Image Stabilization with Intelligent Active Mode
Intelligent Auto	Yes
Wi-Fi	Yes
Tracking Focus	Off / Auto
Photo Creativity	Yes
Interface	
Memory Card Slot	MS Duo and SD/SDHC compatible
NFC	NFC forum Type 3 Tag compatible, One-touch remote, One-touch sharing
Wi-Fi	Yes
HD Output	Micro HDMI

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USB Port(s)	Multi (AV/USB), Hi-Speed USB (USB2.0)
Accessory Shoe	Multi Interface Shoe
Tripod Mount	Yes
Weights and Measurements	
Dimensions (Approx.)	W x H x D: 5 1/8" x 3 3/4" x 4 1/8" (129.6mm x 93.2mm x 103.2mm)
Weight (Approx.)	1 lb 7.3 oz (660g)
Weight(Approx) (Main unit only)	1 lb 6.3oz (633g)
Power	
Battery Type	NP-BX1
Number of Still Images	Approx. 300 / Approx. 150min (EVF:Approx. 380 / Approx. 190min)
Power Consumption (in Operation)	Approx. 1.4W (EVF:Approx. 1.1W)
Power Requirements	AC 100V to 240V, 50/60 Hz, 70mA
Software	
Supplied Software	Supplied Software: PlayMemories Home
Operating System Compatibility	Windows Vista®SP2 (Starter Edition is not supported) Windows®7 SP1; Windows®8; Mac OS X (10.6-10.8)
Service and Warranty Information	
Limited Warranty Term	1year limited parts / 90days labor
Accessories	
Supplied Accessories	Rechargeable Battery Pack (NP-BX1) AC Adaptor(AC-UB10C / UB10D) Micro USB cable Shoulder Strap Shoe Cap Lens Cap Instruction Manual

1. Records in 29 minute segments
2. Requires compatible 4K/HDTV and HDMI cable sold separately
3. Requires NFC-compatible mobile device. Check device's user manual for compatibility.
11. Requires a valid Sony Entertainment Network account. Some apps require a fee.

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